

General Abstract

This summer's project involved the selection of white dwarf stars for calibration of the Dark Energy Survey. The project consisted of image processing, photometric and astrometric reductions, and calibration of white dwarf observational data. This project determined the exo-atmospheric calibrated magnitudes for eleven white dwarfs in all five SDSS filters. Future work will include completing reduction and analysis for the current data, repeating this project for more calibration candidates, and obtaining follow-up spectroscopy on the observed white dwarfs to further narrow the data to a suitable sample of calibration stars.